

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
24 November 2005 (24.11.2005)

PCT

(10) International Publication Number
WO 2005/110280 A3

(51) International Patent Classification⁷: A61B 17/08

(21) International Application Number:
PCT/US2005/0 15795

(22) International Filing Date: 5 May 2005 (05.05.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/569,442 7 May 2004 (07.05.2004) US
60/613,917 27 September 2004 (27.09.2004) US
10/998,424 29 November 2004 (29.11.2004) US
11/025,364 29 December 2004 (29.12.2004) US

(71) Applicant (for all designated States except US): VA-
LENTX, INC. [US/US]; P.O. Box 1590, 4020 W. Lake
Creek Drive, Wilson, WY 83014 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): DANN, Mitchell
[US/US]; 4020 West Lake Creek Drive, Wilson, WY
83014 (US). GUTERMAN, Lee [US/US]; 660 LeBrun

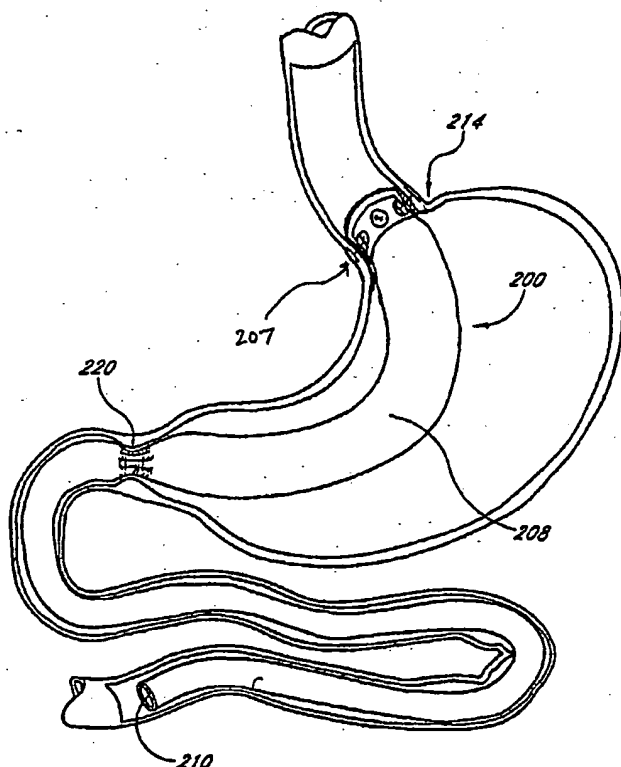
Road, Amherst, NY 14226 (US). KAGAN, Jonathan
[US/US]; 200 Homedale Road, Hopkins, MN 55343 (US).
BALDWIN, Thomas [US/US]; 6074 North 2400, West
Amalga, UT 84335 (US). BUTTERS, Josh [US/US]; 1226
N. Benson Lane, Chandler, AZ 85224 (US). FALLIN,
Wade [US/US]; 210 East 200 South, Hyde Park, UT
84318 (US). SWAIN, Paul [GB/GB]; 41 Willow Road,
London NW31 TN (GB).

(74) Agent: ALTMAN, Daniel, E.; Knobbe, Martens, Olson
and Bear, LLP, 2040 Main Street, Fourteenth Floor, Irvine,
CA 92614 (US).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,
MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM,
PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM,
SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN,
YU, ZA, ZM, ZW

[Continued on next page]

(54) Title: DEVICES AND METHODS FOR ATTACHING AN ENDOLUMENAL GASTROINTESTINAL IMPLANT



(57) Abstract: The present invention provides
devices and methods for attachment of an endolu-
minal gastrointestinal device, such as an artificial
stoma device, a gastrointestinal bypass sleeve de-
vice (200) or an attachment cuff (214), within a
patient's digestive tract for treatment of obesity.

WO 2005/110280 A3



(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(88) Date of publication of the international search report:
5 January 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No

PCT/US05/ 15795

A CLASSIFICATION OF SUBJECT MATTER		
IPC(7) A61B 17/08 US CL 606/153 According to International Patent Classification (IPC) or to both national classification and IPC		
B FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols) U S 606/151, 153, 210-221, 128/898, 623/1 36		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet		
C DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document with indication, where appropriate, of the relevant passages	Relevant to claim No
X	US 6,254,642 B1 (TAYLOR) 03 July 2001 (03 07 2001), figures 2A and 2B	8,10,21,22
Y		15, 16,20
A	US 4,641,653 A (ROCKEY) 10 February 1987 (10 02 1987), fig 4	1 26
A	US 5,314,473 A (GODIN) 24 May 1994 (24 05 1994), fig 1	1-26
A	US 6,626,919 B1 (SWANSTROM) 30 September 2003 (30 09 2003) fig 4	1 26
<input type="checkbox"/> Further documents are listed in the continuation of Box C <input type="checkbox"/> See patent family annex		
Special categories of cited documents *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier application or patent published on or after the international filing date *L* document which may throw doubts on pr only claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure use exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents such combination being obvious to a person skilled in the art *&* document member of the same patent family		
Date of the actual completion of the international search 19 October 2005 (19 10 2005)		Date of mailing of the international search report 14 NOV 2005
Name and mailing address of the ISA/US Mail Stop PCT, Ann ISA/US Commissioner for Patents P O Box 1450 Alexandria, Virginia 22313 1450 Facsimile No (571) 273 3201		Authorized officer F20 Hilum W Woo Telephone No 571 272-2975 MONICA A GRAVES

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US05/ 15795

Continuation of B. FIELDS SEARCHED Item 3:
EAST
search terms: serosal, mucosal, anchor, cuff, stomach